

Matthew J. Miller

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EDUCATION

2008 – present Postdoctoral Fellow, Smithsonian Tropical Research Institute.
2008 PhD, Biological Sciences, University of Alaska Fairbanks.
2001 MS, Ecology and Evolutionary Biology, University of Arizona.
1997 – 1998 Graduate Study, Latin American Studies, University of Arizona.
1996 BA with Distinction, Biology, Swarthmore College.

PUBLICATIONS

- 2010 **M.J. Miller**, Bermingham, E. Winker, K. Neotropical birds show a humped distribution of genetic diversity along a latitudinal transect. *Ecology Letters In Press*.
- M.J. Miller**. [Review of] The Birds of the Republic of Panama, Part 5. Gazetteer and Bibliography. *Wilson Journal of Ornithology In Press*.
- 2008 J.T. Weir, E. Bermingham, **M.J. Miller**, J. Klicka, M.A. González. Phylogeography of a morphologically diverse Neotropical montane species, the Common Bush-Tanager (*Chlorospingus ophthalmicus*). *Molecular Phylogenetics and Evolution* 47: 660-664.
- M.J. Miller**, E. Bermingham, J. Klicka, P. Escalante, F.S. Raposo do Amaral, J.T. Weir, K. Winker. Out of Amazonia again and again: episodic crossing of the Andes promotes diversification in a lowland flycatcher. *Proceedings of the Royal Society B* 275: 1133–1142.
- 2007 **M.J. Miller**, E. Bermingham, R.E. Ricklefs. Historical biogeography of the New World Solitaires *Myadestes* (Turdidae). *Auk* 124: 868–885.
- 2006 F.S. Raposo do Amaral, **M.J. Miller**, L.F. Silveira, E. Bermingham, A. Wajntal. Polyphyly of the hawk genera *Leucopternis* and *Buteogallus* (Aves, Accipitridae): multiple habitat shifts during the Neotropical buteonine diversification. *BMC Evolutionary Biology* 6:10.

Manuscripts in Revision

M.J. Miller, P. Guitton, K. Winker. New and noteworthy records on the avifauna of the lower Río Urubamba from Centro Pucani, Ucayali, Peru. *Ornitología Neotropical*.

M.J. Miller, J. Gilroy, E. Economo. Cerro Pata de Pájaro (Manabí, Ecuador): conservation status of a coastal premontane forest fragment. *Ornitología Neotropical*.

FELLOWSHIPS, GRANTS, AND AWARDS

- 2009 – 2011 NIH Award for Continuing Research on Avian Influenza Transmission Dynamics (200,000 USD, E. Bermingham, PI)
- 2009 – 2010 CDC Inter-Agency Award for Effect of Anthropogenic Climate Change on the Ecology of Zoonotic and Vector-borne Diseases (185,000 USD, one of 12 co-investigators)
- 2009 – 2001 Smithsonian Institute Molecular Evolution Fellowship (94,000 USD)
- 2007 – 2008 Smithsonian Tropical Research Institute Pre-Doctoral Fellowship. (25,000 USD)
- 2006 National Science Foundation Travel Award for NAOC Meeting (1000 USD)
Travel Grant Award, Graduate School, University of Alaska Fairbanks (600 USD)
- 2005 – 2006 Thesis Completion Fellowship, University of Alaska Fairbanks (8500 USD)
- 2004 Graduate College Fellowship, University of Alaska Fairbanks (8500 USD)
Frank M. Chapman Memorial Fund, American Museum of Natural History (2500 USD)
- 2003 – 2004 EPSCoR Graduate Research Fellowship, University of Alaska (16,000 USD)
- 2003 Frank M. Chapman Memorial Fund, American Museum of Natural History (2000 USD)
- 2002 Angus Gavin Memorial Bird Research Grant, University of Alaska (10,000 USD)
- 2001 Frank M. Chapman Memorial Fund, American Museum of Natural History (1000 USD)

FIELD EXPEDITIONS

- Chiriqui and Serranía de Tabascá, Panama. 2009.
Lago Bayano, Panama, Panama. 2009.
Bay of Panama, Panama, Panama. 2008-9.
Rio Changuinola, Bocas del Toro, Panama. 2007.
Achiote, Colon, Panama. 2007.
Bay of Panama, Panama, Panama. 2007.
Sante Fe, Veraguas, Panama. 2006.
Pearl Islands, Panama, Panama. 2006.
Serranía de Maje, Darien, Panama. 2006.
Cana, Darien, Panama. 2006.
Highlands & Dry Forest, Chiriqui, Panama. 2006.
Bay of Panama, Panama, Panama. 2005.
Achiote, Colon, Panama. 2005.
Satipo Road, Junin. 2004.
- Centro Pucani, Ucayali, Peru. 2004.
Tidal Mudflats, Ica, Peru. 2004.
Volcan Baru, Chiriqui, Panama. 2004.
Cerro Azul, Panama, Panama. 2004.
Piñas Bay, Darien, Panama. 2003.
Centro Pucani, Ucayali, Peru. 2003.
Andean Highlands, Cusco, Peru. 2003.
Canal Watershed Coclé & Panama, Panama. 2002.
Coastal Plain & Boreal Forest, Alaska. 2002.
Wet Forest, Esmeraldas, Manabí, Ecuador. 2001.
Tiputini, Napo, Ecuador. 2001.
Wet Forest, Esmeraldas, Ecuador. 2000.
Tiputini, Napo, Ecuador. 2000.
Amazonia, Sucumbios, Napo, Ecuador. 1999.

TEACHING EXPERIENCE

- 2003 Field Ornithology Special Course
Zoology Museum, Universidad San Antonio Abad. Cusco, Peru.
- 2001 Graduate Teaching Assistant, Introduction to Biology (ECOL 182)
Ecology & Evolutionary Biology, University of Arizona. Tucson, AZ.
- 2000 Graduate Teaching Assistant, Environmental Biology (ECOL 206)
Ecology & Evolutionary Biology, University of Arizona. Tucson, AZ.
- 1999 Graduate Teaching Assistant, Ecology (ECOL 302)
Ecology & Evolutionary Biology, University of Arizona. Tucson, AZ.
- Graduate Teaching Assistant, Marine Biology Short Course
Ecology & Evolutionary Biology, University of Arizona. Tucson, AZ.
- 1996 – 1997 Humanities Teacher (Secondary School)
Monteverde Friends School, Monteverde, Costa Rica
- 1995 Teaching Assistant, Marine Biology
Biology Department, Swarthmore College, Swarthmore, PA.

CONSERVATION EXPERIENCE

- 1997 – 1999 Mesoamerican Program Coordinator
The Wildlands Project, Tucson, AZ.
- 1992 – 1995 Forest Activist
Eastern Forests & Mountains Conservation
Swarthmore College, Swarthmore, PA.

PROFESSIONAL SOCIETIES

American Association for the Advancement of Science
American Ornithologists' Union
Neotropical Ornithological Society

MISCELLANEOUS

Fluent in Spanish, reading knowledge of French.

Peer Reviewer for *BMC Evolutionary Biology*, *Evolution*, *The Auk*, *Journal of Avian Biology*, and *Molec. Evol. & Phylogenetics*.

Participated in forensic identification of wildlife carcasses using museum specimens.